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VOL. 4, NO. 1

MARCH 1976

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# OFFICIAL JOURNAL OF THE PLANT VARIETY PROTECTION OFFICE



U.S. DEPARTMENT OF AGRICULTURE / AGRICULTURAL MARKETING SERVICE

GRAIN DIVISION

## PREFACE

The Plant Variety Protection Act, (7 U.S.C. 2321 et. seq.) authorizes the Secretary of Agriculture to publish an Official Journal and to provide the public with pertinent information relating to the operations of the Plant Variety Protection Office.

The statute also authorizes the Secretary to disseminate technological and other information available to the Office that would encourage innovation and promote progress in plant breeding.

The Official Journal, which is published quarterly, includes instructions issued by the Office and related information. It will be sent free to anyone on request. Send requests to:

Plant Variety Protection Office  
Grain Division, AMS  
U. S. Department of Agriculture  
Room 301, National Agricultural Library  
Beltsville, Maryland 20705

This issue covers the period from January 1. through March 31, 1976.

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APPLICATIONS RECEIVED

Application No.	Date	Name of applicant(s)	Name of kind	Name of variety (or designation)
7600027	1/ 6/76	Asgrow Seed Company	watermelon	XP 241
7600028	1/12/76	Turf-Seed, Inc.	ryegrass	Omega
**7600029	1/15/76	Jack C. Futrell	wheat	RF-75 (3)
7600030	1/19/76	General Foods Corporation	pea	43-711-J
7600031	1/19/76	Delaware A.E.S.	lima bean	M 1675
7600032	1/28/76	(Permission to publish not rec'd.)	lettuce	Vanagara
7600033	1/30/76	Asgrow Seed Company	watermelon	Picnic
7600034	2/ 3/76	Denholm Seeds	marigold	Yellow Boy
7600035	2/ 3/76	Denholm Seeds	marigold	Goldfinch
**7600036	2/ 3/76	Wisconsin A.E.S.	oats	Wright (3)
**7600037	2/ 3/76	Sacramento Valley Milling Company	kidney bean	Sacramento (3)
**7600038	2/ 5/76	(Permission to publish not rec'd.)	dry bean	Redcloud
7600039	2/ 9/76	Moran Seeds, Inc.	lettuce	Morangold
**7600040	2/ 9/76	Clarence Eklund	wheat	Eklund (3)
7600041	2/ 9/76	VR Seeds	soybean	Classic II
**7600042	2/17/76	Rilcot Seed Company	cotton	Rilcot 90-A (3)
7600043	2/23/76	ACCO Seed	cotton	Paymaster 266
**7600044	2/26/76	North American Plant Breeders	soybean	Lancer (3)
**7600045	2/27/76	Seed Research Associates, Inc.	wheat	5210 (3)
**7600046	2/27/76	Seed Research Associates, Inc.	wheat	5411 (3)
**7600047	3/ 1/76	Holdens Foundation Seeds, Inc.	corn	LH 1 (1)
**7600048	3/ 1/76	Stoneville Pedigreed Seed Company	cotton	Stoneville 731 N(2)
**7600049	3/ 4/76	Seed Research Associates, Inc.	wheat	5221 (2)
**7600050	3/ 4/76	Seed Research Associates, Inc.	wheat	4555 (2)
**7600051	3/ 4/76	Seed Research Associates, Inc.	wheat	5232 (2)
7600052	3/ 8/76	Keystone Seed Company	lettuce	3303
7600053	3/ 8/76	Keystone Seed Company	lettuce	3271
7600054	3/ 8/76	Keystone Seed Company	lettuce	3258
7600055	3/ 8/76	Keystone Seed Company	lettuce	3285
7600056	3/ 9/76	Pfizer Genetics, Inc.	soybean	CX 290
7600057	3/11/76	Northrup, King & Company	bean	Exp. 113
7600058	3/11/76	Northrup, King & Company	bean	Exp. 163
7600059	3/11/76	Northrup, King & Company	bean	Exp. 195
7600060	3/11/76	Northrup, King & Company	bean	Exp. 160

\*\* To be sold by variety name only as a class of certified seed.

( ) No. of generations of certified seed permitted beyond breeder's seed.

APPLICATIONS RECEIVED

<u>Application No.</u>	<u>Date</u>	<u>Name of applicant(s)</u>	<u>Name of kind</u>	<u>Name of variety (or designation)</u>
7600061	3/11/76	Northrup, King & Company	bean	Exp. 116-0
7600062	3/26/76	Gallatin Valley Seed Company	pea	Sugar Snap
7600063	3/30/76	Asgrow Seed Company	soybean	A 3001
7600064	3/30/76	Asgrow Seed Company	soybean	A 2656
**7600065	3/30/76	Pioneer Hi-Bred International, Inc., Plant Breeding Division	wheat	S 76 (3)

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue date</u>	<u>Owner</u>	<u>Name of kind</u>	<u>Name of variety</u>
**7100035	March 5, 1976	Wilco Peanut Company	peanut	'Goldin I' (3)
<p>'Goldin I' most closely resembles the Spanish variety 'Starr' except 'Goldin I' has a semi-erect growth habit (vs. erect), leaves are thicker and darker green, matures 10 days later, has larger and heavier seeds (length 14 vs. 12 mm, diameter 11 vs. 9 mm, dry wt. 0.82 vs. 0.63 gms), and larger pods (length 31 vs. 27 mm, diameter 14 vs. 12 mm) and is more resistant to cercospora leaf spot in comparison with 'Starr.'</p>				
7100087	March 5, 1976	W. Atlee Burpee Company	sweet pea	'Tangerine'
<p>'Tangerine' is of the Galaxy type. It differs from other varieties of this type by its orange-red flowers that become cerise with a cream keel flushed reddish rose. The standard and wing are nearest RHS Red 44A.</p>				
7200028	March 5, 1976	DeKalb AgResearch, Inc.	agroticum	'290 M'
<p>The distinguishing characteristics of '290 M' are its yellow-green leaf color, fusiform head shape and the lemma has an elevated shoulder shape.</p>				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue date</u>	<u>Owner</u>	<u>Name of kind</u>	<u>Name of variety</u>
**7200052	March 5, 1976	World Seeds, Inc.	wheat	'World Seeds 1616' (3)
<p>'World Seeds 1616' is most similar to 'Inia 66,' but differs in the following characters.                      'World Seeds 1616' has yellow-green plant color at booting; no anthocyanin in the auricles; midwide glumes; erect head, and wide middeep seed crease. 'Inia 66' has green color; anthocyanin in the auricles; wide glumes; inclined head, and narrow deep seed crease.</p>				
7300063	March 5, 1976	Peterson Soybean Seed Division Pioneer Hi-Bred Int., Inc.	soybean	P83-14
<p>'P83-14' is most similar to 'Amsoy 71'; however, 'P83-14' has brown pods, whereas, 'Amsoy 71' has tan pods.</p>				
**7300067	March 5, 1976	World Seeds, Inc.	wheat	'W.S.6'
<p>'W.S.6' is most similar to 'Inia 66.' 'W.S.6' has midwide, square shoulders; blue-green plant color at booting; short kernels, and midwide seed crease. 'Inia 66' has narrow, wanting to oblique shoulders; green plant color at booting, long kernels and narrow seed crease.</p>				
**7300073	March 5, 1976	James E. Grundman	rice	'Maxwell' (3)
<p>'Maxwell' most closely resembles 'Colusa,' except 'Maxwell' leaves are light green (vs dark) and broader (12-13 mm vs. 9-10), heads and matures 12 days earlier (80-90 vs. 95-100; 110-120 vs. 130-140), and grain is translucent (vs. opaque centers).</p>				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue date</u>	<u>Owner</u>	<u>Name of kind</u>	<u>Name of variety</u>
7400026	March 5, 1976	Ferry-Morse Seed Company	soybean	'McKoy 1100'
'McKoy 1100' most closely resembles 'Beeson.' 'McKoy 1100' is susceptible to Phytophthora, Race 1, whereas, 'Beeson' is resistant. Foliage color of 'McKoy 1100' is darker green than that of 'Beeson.' (Royal Horticultural Society color chart readings 0960 vs. 0960/1.)				
7500024	March 5, 1976	W. Atlee Burpee Company	marigold	'Golden Hawaii'
'Golden Hawaii' most closely resembles 'Orange Hawaii' in all major characteristics except flower color. According to the Royal Horticultural color chart, flower color of 'Golden Hawaii' is closest to yellow-orange 23A, whereas 'Orange Hawaii' is closest to orange group 25.				
7500057	March 5, 1976	Agripro, Inc.	soybean	'Agripro 26'
'Agripro 26' is most similar to 'Agripro 25.' 'Agripro 26' plants average 6-7 cm taller than plants of 'Agripro 25.'				
7500073	March 5, 1976	Asgrow Seed Company	bean	'Stretch'
'Stretch' is most similar to 'Harvest King' except 'Stretch' has. (1) significantly greater resistance to transverse cracking of cotyledons and (2) foliage color is darker (Royal Horticultural Society color readings 137C vs. 144A).				
7500081	March 5, 1976	Agripro, Inc.	soybean	'CFS 2000'
'CFS 2000' is most similar to 'Amsoy 71' except 'CFS 2000' has larger seeds (19 vs. 17 G/100) and average plant height is 7.62 cm shorter than average plant height of 'Amsoy 71.'				

\*\* To be sold by variety name only as a class of certified seed.  
 ( ) No. of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

Certificate  
No. \_\_\_\_\_

<u>Issue date</u>	<u>Owner</u>	<u>Name of kind</u>	<u>Name of variety</u>
March 5, 1976	Northrup, King & Company	soybean	'B 216' (3)

'B 216' is most similar to 'Corsoy' in maturity, leaf size and shape, seed size, plant habit, and appearance. It has white flowers in contrast to purple flowers for 'Corsoy.'

AMENDED NOVELTY STATEMENT

7500096	Nov. 24, 1975	Keystone Seed Company	bean	'Lake Seneca'
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'Lake Seneca' most closely resembles 'Lake Superior.' It differs from 'Lake Superior' as follows: Pods mature 3 days later; plants are narrower (49 cm vs. 60 cm); main stalk internodes are fewer (4 vs. 5-7); leaflet of first trifoliate leaf is larger (16.0 cm x 11.5 cm vs. 15.0 cm x 9.0 cm); pods after blanching are brighter and greener (spectral reflectance y values 11.4 vs. 14.5 with dominant wave lengths of 556 nm. vs. 561 nm.).

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## GENERAL INFORMATION

### UPOV Update

On February 16 and 19, 1976, the Committee of Experts on the Interpretation and Revision of the Convention (Constitution) of the International Union for the Protection of New Varieties of Plants (UPOV), met in Geneva, Switzerland, with a U.S. delegation consisting of S. F. Rollin, L. J. Donahue, S. D. Schlosser, and Harold Loden, to discuss an interpretation of the word "examination" in Article 7 of the UPOV Convention.

The present members of UPOV conduct their examinations for novelty, uniformity, and stability by conducting official growing tests. The U.S. conducts its examinations by examining the required documentation submitted by the owner of the novel variety. There was a question whether the procedure being followed in the U.S. would permit U.S. membership in UPOV.

The Committee of Experts suggested to the Consultative Committee of UPOV and the Consultative Committee has asked the UPOV Council at its next meeting in October 1976 to consider that a system of examination as described below is considered to be compatible with the UPOV Convention.

- a. That growing tests by the applicant are conducted according to guidelines established by the authority, and that they continue until a decision on the application has been given.
- b. That the applicant is required to deposit in a designated place, simultaneously with his application, a sample of the propagating material representing the variety.
- c. That the applicant is required to provide access to the growing tests mentioned under a. by persons properly authorized by the competent authority.

No decisions on other interpretations or revisions of the Convention have been announced by the Committee of Experts.

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY	1b. VARIETY NAME	FOR OFFICIAL USE ONLY	
		PV NUMBER	
2. KIND NAME	3. GENUS AND SPECIES NAME	FILING DATE	TIME A.M. P.M.
4. FAMILY NAME (BOTANICAL)	5. DATE OF DETERMINATION	FEE RECEIVED	DATE
		\$	
		\$	
		\$	
6. NAME OF APPLICANT(S)	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	8. TELEPHONE AREA CODE AND NUMBER	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION	
		11. DATE OF INCORPORATION	

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

## 13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☐ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☐ 13B. Exhibit B, Novelty Statement.
- ☐ 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- ☐ 13D. Exhibit D, Additional Description of the Variety.

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed?  
(See Section 83(a). (If "Yes," answer 14B and 14C below.) ☐ YES ☐ NO

14B. Does the applicant(s) specify that this variety be limited as to number of generations?

☐ YES☐ NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed?

☐ FOUNDATION☐ REGISTERED☐ CERTIFIED

15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal?

☐ YES☐ NO

16. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

(DATE)

(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

## INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, National Agricultural Library, Beltsville, Maryland 20705. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

## ITEM

- 5 Give the date the applicant determined that he had a new variety based on (1) the definition in Section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a Give (1), the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. (2), the details of subsequent stages of selection and multiplication. (3), the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4), evidence of stability.
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties; (1) identify these varieties and state all differences objectively; (2) Attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form for all characteristics, for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe; such as; plant habit, plant color, disease resistance, etc.
- 14A If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)

UNITED STATES DEPARTMENT OF AGRICULTURE  
Agricultural Marketing Service  
Grain Division, Plant Variety Protection Office  
Room 301 National Agricultural Library  
Beltsville, Maryland 20705

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NEW APPLICATION FORM

(See pages 10 and 11)

A new application form has been devised to facilitate the examinations for novelty by the examiners and to simplify the exhibits attached to the form. The following changes were made:

1. The applicant must now specify whether a name assigned is the variety name or a temporary designation.
2. Exhibit B--Botanical Description of the Variety--has been eliminated. Description of characters not in Exhibit C may be added by including a new Exhibit D.
3. The previous Exhibit D--Novelty Statement--has been changed to Exhibit B and the instructions pertaining thereto have been revised.
4. Instructions pertaining to 14A relating to the certified seed specifications have been added to the instructions.
5. Permission to publish the name of the applicant in the Official Journal has been added.